Table of contents

Editorial 245

Ahmad, S.; Manolis, G. D.: Dynamic analysis of 3-D structures by a transformed boundary element method 185
Aoki, S.; Kishimoto, K.; Sakata, M.: Finite element computation of dynamic stress intensity factor for a rapidly propagating crack using $\hat{J}$-integral 54
Atluri, S. N.: see Kondoh, K. 1

Baily, R.: see Jones, R. et al. 247
Baitinger, K.: see Bufler, H. 197
Başar, Y.; Eller, C.; Krätzig, W. B.: Finite element procedures for parametric resonance phenomena of arbitrary elastic shell structures 89
Becker, T.: see Wissmann, J. W. et al. 289
Buchanan, G. R.: A note on a variational principle for crystal physics 163
Bufler H.; Baitinger, K.: Non-linear shell dynamics based on a mixed variational formulation 197

Cardinal, J. W.: see Reed, K. W. 31
Cruse, T. A.: see Polch, E. Z. et al. 253

Demaree, J. D.: see Kramer, J. M. et al. 149
Drmota M.; Scheidl, R.; Troger, H.; Weinmüller, E.: On the imperfection sensitivity of complete spherical shelles 63

Eller, C.: see Başar, Y et al. 89

Gear, J. A.: Three-dimensional unsteady transonic flow: An integral equation formulation 268
Gruber, E. E.: see Kramer, J. M. et al. 149
Gudmundson, P.: see Thesken, J. C. 307

Huang, C.-J.: see Polch, E. Z. et al. 253

Jones, R.; Baily R.; Roberts, J. D.: Computational methods in modern repair technology 247

Kane, T. R.; Levinson, D. A.: An explicit solution of the general two-body collision problem 75
Kato, K.: see Matsui, T. et al. 119
Kishimoto, K.: see Aoki, S. et al. 54
Krätzig, W. B.: see Başar, Y. et al. 89
Kramer, J. M.; Demaree, J. D.; Gruber, E. E.: Thermal extrusion of a non-linear viscoelastic solid inside a long cylindrical tube 149
Kondoh, K.; Atluri, S. N.: Large-deformation, elasto-plastic analysis of frames under nonconservative loading, using explicitly derived tangent stiffness based on assumed stresses 1

Levinson, D. A.: see Kane, T. R. 75
Libai, A.: see Simmonds, J. G. 99, 231

Manolis, G. D.: see Ahmad, S. 185
Matsui, T.; Kato, K.; Shirai, T.: A hybrid integral equation method for diffraction and radiation of water waves by three-dimensional bodies 119
Möller, H.: see Wissmann, J. W. et al. 289

Padovan, J.: Computational algorithms for FE formulations involving fractional operators 271
Pian, T. H. H.: Mechanical sublayer model for elastic-plastic analyses 26
Planchard, J.: Global behaviour of large elastic tube bundles immersed in a fluid 105
Polch, E. Z.; Cruse, T. A.; Huang, C.-J.: Traction BIE solutions for flat cracks 253

Rao, K. P.: see Vijayakumar, K. 167
Reed, K. W.; Cardinal, J. W.: Finite strain analysis by a stress-function method 31
Reissner, E.; Reissner, J. E.; Wan, F. Y. M.: On lateral buckling of end-loaded cantilevers, including the effect of warping stiffness 137
Reissner, J. E.: see Reissner, E. et al. 137
Roberts, J. D.: see Jones, R. et al. 247

Sakata, M.: see Aoki, S. et al. 54
Sahu, J.: Supersonic flow over cylindrical afterbodies with base bleed 176
Scheidl, R.: see Drmota, M. et al. 63
Shirai, T.: see Matsui, T. et al. 119
Simmonds, J. G.; Libai, A.: A simplified version of Reissner's non-linear equations for a first-approximation theory of shells of revolution 99
Simmonds, J. G.; Libai, A.: Asymptotic forms of a simplified version of the non-linear Reissner equations for clamped elastic spherical caps under outward pressure 231
Stein, E.: see Wriggers, P. et al. 215

Thesken, J. C.; Gudmundson, P.: Application of a variable order singular element to dynamic fracture mechanics 307
Troger, H.: see Drmota, M. et al. 63

Vijayakumar, K.; Rao, K. P.: Stress-strain relations for composites with different stiffnesses in tension and compression – A new material model 167

Wan, F. Y. M.: see Reissner, E. et al. 137
Wagner, W.: see Wriggers, P. et al. 215
Weinmüller, E.: see Drmota, M. et al. 63
Wissmann, J. W.; Becker, T.; Möller, H.: Stabilization of the zeroenergy modes of under-integrated isoparametric finite elements 289
Wriggers, P.; Wagner, W.; Stein, E.: Algorithms for non-linear contact constraints with application to stability problems of rods and shells 215

Ying, L.-A.: The convergence of a mixed finite element method of steady, convective incompressible viscous flow 45

Announcements 88